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Application No. 10/692,865
Amendment dated November 28, 2007
First Preliminary Amendment

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Docket No.: 80008(302712)

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-9 (canceled)

Claim 10 (currently amended) A synchronous induction motor comprising:

a stator equipped with a stator winding;

a rotor which is secured to a rotating shaft and which rotates in the stator;

a secondary conductor provided around the rotor yoke constituting the rotor; and

permanent magnets embedded in the rotor yoke, each said permanent magnet having a linear shape and provided symmetrically about a line that connects two magnetic poles, wherein at least some of the permanent magnets have lengths which are radially disposed such that one end of each of said at least some of the permanent magnets is adjacent to the rotating shaft,

wherein a no magnetic field produced by the permanent magnets ~~does not pass~~ passes through the rotating shaft.

Claim 11 (currently amended) A synchronous induction motor comprising:

a stator equipped with a stator winding;

a rotor which is secured to a rotating shaft and which rotates in the stator;

a secondary conductor provided around the rotor yoke constituting the rotor; and

permanent magnets embedded in the rotor yoke, each said magnet having a linear shape and provided symmetrically about the line that connects two magnetic poles, wherein at least

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some of the permanent magnets have lengths which are radially disposed such that one end of each of said at least some of the permanent magnets is adjacent to the rotating shaft,

wherein, a any magnetic field produced by the permanent magnets bypasses the rotating shaft.

Claim 12 (currently amended) A synchronous induction motor comprising:
a stator equipped with a stator winding;
a rotor which is secured to a rotating shaft and which rotates in the stator;
a secondary conductor provided around the rotor yoke constituting the rotor; and
permanent magnets embedded in the rotor yoke, each said magnet having a linear shape provided symmetrically about a line that connects two magnetic poles, wherein at least some of the permanent magnets have lengths which are radially disposed such that one of each of said at least some of the permanent magnets is adjacent to the rotating shaft,

wherein a any magnetic field produced by the permanent magnets passes through only the rotor yoke, excluding the rotating shaft.

Claims 13-18 (canceled)